

Owen Dupree

Full-Stack Engineer

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PROFESSIONAL SUMMARY

Full-Stack Engineer with experience designing and delivering scalable web applications across modern JavaScript frameworks, headless architectures, and API-driven backend systems. Skilled in React, TypeScript, REST/GraphQL integrations, authentication workflows, and performance-focused application design. Experienced in Agile consulting environments building enterprise-grade applications with strong accessibility, analytics, and security considerations. Proven ability to collaborate cross-functionally with UX, data engineering, and stakeholders to deliver production-ready features that improve usability, reliability, and business outcomes.

CORE SKILLS

Frontend: React, TypeScript, JavaScript, Vue.js, HTML/CSS, Tailwind, component architecture, design systems

Backend & APIs: REST API design & integration, GraphQL services, Node.js, Express, server-side performance optimization

Data & Databases: SQL (relational data modeling, query design), NoSQL / MongoDB, Railway-hosted database infrastructure

Integrations: Contentful CMS, Algolia, analytics & reporting integrations, third-party API orchestration

Enterprise Engineering: Accessibility (WCAG / Section 508), authentication patterns (SSO / OAuth-style flows), secure application environments

Agile & Collaboration: Agile delivery (SAFe-aligned), sprint planning, backlog refinement, cross-functional collaboration, client communication

PROFESSIONAL EXPERIENCE

Accenture Song · Custom Software Engineering Analyst

Jun 2025 – Present

Promoted from Frontend Developer · May 2022 – Jun 2025

Design and deliver Shopify application features for major consumer brands, integrating React/TypeScript frontends with backend APIs, CMS data services, and analytics platforms. Own feature development and iterative enhancements end to end — collaborating directly with clients, UX designers, and cross-functional stakeholders throughout.

- Designed and implemented full-stack application features integrating frontend React/TypeScript interfaces with backend APIs, analytics platforms, and CMS data services, ensuring scalable and maintainable architectures
- Modeled and consumed structured data across REST and GraphQL services to support content-driven storefront architectures serving millions of users
- Built headless storefront infrastructure integrating Contentful CMS with custom data pipelines, managing data flow across frontend and backend layers for multi-brand, multi-language experiences
- Implemented accessible UI components aligned with WCAG standards, ensuring compliance across responsive, customer-facing application surfaces
- Integrated search, analytics, and personalization services (Algolia, Monetate, Rebuy, Klaviyo) into production application workflows, delivering measurable improvements to user engagement and conversion
- Troubleshoot production defects across frontend and backend layers, improving application reliability and user experience through systematic root cause analysis
- Collaborated in Agile delivery cycles including sprint planning, backlog refinement, and cross-functional coordination with UX, QA, and platform teams
- Regularly took on complex technical challenges above level, communicating solutions directly to client stakeholders

Selected Client Impact:

- **Kao Brands:**

Developed a ground-up headless Shopify storefront, building a multi-brand, multi-language experience with shared cart functionality and Contentful-driven content architecture.

- **Red Bull:**

Implemented multiple Rebuy recommendation experiences that became meaningful revenue contributors and improved product discovery at scale.

- **Belnick:**

Reimplemented Algolia Search and Discovery across 10 storefronts, modernizing search infrastructure at scale across a multi-brand environment.

Independent Project · Full-Stack SaaS Application Development

2024 – Present

Designed and built a full-stack application independently, taking ownership of the entire development lifecycle from architecture to deployment.

- Designed and implemented relational SQL data models and NoSQL document-based storage patterns to support dynamic application logic
- Built API-driven backend services to manage business rules, pricing logic, and data persistence using Railway-hosted database infrastructure
- Managed deployment, environment configuration, and iterative feature delivery — demonstrating end-to-end full-stack ownership

UCF Coding Boot Camp / Trilogy Education · Teaching Assistant

Dec 2021 – Jun 2022

- Supported instruction of full-stack engineering concepts including SQL/NoSQL database design, REST API architecture, and React application development in a MERN-focused curriculum
- Mentored students on debugging backend data issues, modeling relational and document-based data structures, and building production-ready full-stack projects
- Reinforced best practices in accessibility, responsive design, and scalable component architecture across the cohort

Capco · Software Engineer

Jan 2022 – May 2022

- Contributed to software engineering projects in a consulting environment focused on financial services clients, working with Java, Git, and supporting technologies within a professional services team

SELECTED WORK

[Kao Brands](#) · Headless storefront, Contentful-driven, multi-brand/multi-language

[Red Bull](#) · Custom storefront with personalization and recommendation integrations

[Belnick](#) (bizchair) · Multi-brand search infrastructure reimplementation at scale

[OOFOS](#) · Ongoing PDP, collection, and storefront enhancement work

[Exploding Kittens](#) · Custom digital field guide improving product accessibility

CERTIFICATIONS

[Shopify Development Fundamentals: Verified Skill Badge](#) · Issued by Shopify

[Headless at Shopify for Developers: Verified Skill Badge](#) · Issued by Shopify

EDUCATION

Full-Stack Web Development Certificate · University of Central Florida